Geographic Information System Office (GIS)

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Department Overview

The Gallatin County Geographic Information Systems (GIS) Department is responsible for coordinating and management of complete, timely and accurate geographic information system (GIS) data to support users of geographic data in effective decision making within Government. This allows users of the data to work smarter to meet the demands of a growing Gallatin County.

The Gallatin County GIS Department regularly assists County Departments and outside county affiliates in determining not only how GIS technology can address issues effecting existing workflows, but also what future opportunities it can provide, such as new public information services or analytical capabilities to manage growth and effectively provide the services residents expect.

In Gallatin County, GIS is being designed as a viable computer-driven technology for coordinating spatial data and information. The word for the future is Integration - integration of data, disciplines, networks, and user communities into a coherent and expansive GIS environment that is configurable and beneficial for all types of users.

GIS operates under the direction of the County Administrator and is located on the third floor of the County Courthouse.

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Department Goals

Increase Accuracy of Public Safety Information
- Countywide Field Mapping Updates
- Critical Data Updates to GIS Data
- Airport Mapping Project

Increase Accuracy of Land Records
- Control Surveying Data Accuracy
- Growth Policy and Zoning District Maps
- Bridge and Canal Data Updates

Provide Value through Useful Map Products
- Counter Friendly Service
- Enterprise Database Designing
- Public Safety Projects

Provide Web Based Tools to Customers
- Internet Map Server Applications
- ArcServer and Geodatabase Design
- Public Internet Map Tools

Design Intelligent Mapping Applications
- Analysis Tools for Departmental Users
- Interfacing with Google Maps
- Building Evacuation Plans

GIS Cooperative Plans
- Identified Joint Department Projects
- Required Participants Identified

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Recent Accomplishments

- Coordination/Completion of established priority projects from priority list.
- Semi-Annual GPS/GIS and Emergency Service Zone updates.
- Updated master data layers into a Relational Database Model using SDE technology.
- Internet Map Server Development with a new custom map application for Gallatin Valley Trails.
- Comprehensive trails mapping and updating within Gallatin County.
- Airport mapping project underway with assistance from DTM Consulting.
- 139 GCDB control points collected for 22 northern townships with 15 southern townships planned for CY 2009.
- Department Evacuation Plans updated with inclusion of the Courthouse Annex.
- Atlas and Fire Map Updates.
- Completion of the Big Sky Enhanced 911 Project providing location information of 911 callers
- Census updates of all Tracts, Block and Special Places in preparation for the 2010 Census.
- Additional official Zoning District Maps.
- Enterprise Database Feasibility Analysis completed as the first phase of the Enterprise Database planning.
- Growth Policy and Neighborhood Planning scenarios mapped for focus groups and Planners.
- Next generation development of databases and ArcServer technology.

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Department Budget

Object of Expenditure	Actual FY 2008	Final FY 2009	Actual FY 2009	Start-Up FY 2010	Request FY 2010	Preliminary FY 2010	Final FY 2010
Personnel	$ 230,320	$ 186,451	$ 169,817	$ 186,545	$ 186,546	$ 185,984	$ 187,580
Operations	102,843	77,436	83,383	73,065	110,565	80,565	80,565
Debt Service	-	-	-	-	-	-	-
Capital Outlay	2,075	15,347	7,232	8,115	8,115	8,115	8,115
Transfers Out	-	-	-	-	-	-	-
Total	**$ 335,238**	**$ 279,234**	**$ 260,432**	**$ 267,725**	**$ 305,226**	**$ 274,664**	**$ 276,260**

Budget by Fund Group

	Actual FY 2008	Final FY 2009	Actual FY 2009	Start-Up FY 2010	Request FY 2010	Preliminary FY 2010	Final FY 2010
General Fund	$ 335,238	$ 279,234	$ 260,432	$ 267,725	$ 305,226	$ 274,664	$ 276,260
Special Revenue Funds	-	-	-	-	-	-	-
Debt Service Funds	-	-	-	-	-	-	-
Capital Project Funds	-	-	-	-	-	-	-
Enterprise Funds	-	-	-	-	-	-	-
Internal Service Funds	-	-	-	-	-	-	-
Trust & Agency Funds	-	-	-	-	-	-	-
Total	**$ 335,238**	**$ 279,234**	**$ 260,432**	**$ 267,725**	**$ 305,226**	**$ 274,664**	**$ 276,260**

Funding Sources

	Actual FY 2008	Final FY 2009	Actual FY 2009	Start-Up FY 2010	Request FY 2010	Preliminary FY 2010	Final FY 2010
Tax Revenues	$ 134,293	$ 135,649	$ 132,936	$ 126,420	$ 156,420	$ 126,420	$ 135,649
Non-Tax Revenues	102,258	107,640	100,392	103,687	111,187	108,144	107,640
Cash Reappropriated	98,688	35,945	27,104	37,618	37,619	40,100	32,971
Total	**$ 335,238**	**$ 279,234**	**$ 260,432**	**$ 267,725**	**$ 305,226**	**$ 274,664**	**$ 276,260**

Department Personnel

No. of Positions	FT/PT	Title	FTE
1	Full-Time	GIS Manager	1
1	Full-Time	GIS Analyst	1
1	Full-Time	GIS Program Assistant	1
		Total Program	3

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2010 Budget Highlights

Personnel
- The GIS Department is up to full staff from significant changes in Calendar Year 2008. The addition of the Program Assistant has improved our customer service timeliness considerably. Throughout FY 2009 and FY 2010 we will be experimenting with new technology that provides better data access and overall information into the hands of our customers. The GIS Analyst and GIS Manager will be spending development time on these issues. The Planning Department's GIS/Planning Technician will not be back for FY2010 and the GIS Department will work to fill that void. Funds directed towards outside consultants in FY2009 will still be used in FY2010 to accomplish specific goals of the Department.

Operations
- One significant operation expenses is licensing GIS software. This increases county-wide with the number of users, thus the reason we are developing more web-based tools to eliminate future licensing of products. Additional grant funding for our GCDB work increases this total in our budget as well.

Capital

- No addition to reserves, however, GIS will maintain the $8,115 that has been previously set-aside for any necessary replacement of GPS equipment or the purchase of a new plotter.

County Commission Goals/Department Response

The County Commission established a set of overarching goals for the county government. Listed below are the County Commission's goals followed by the methods by which GIS is striving to fulfill those goals.

Align Community Need with Budgetary Decisions
- Increase the Accuracy of Public Safety Information
- Ongoing Updates to Critical Database Information

Demonstrate Exceptional Customer Service and Access
- Provide Counter Friendly Service and Map Product upkeep to the Public
- Provide Value to the Customer Through Useful Map Products

Serve as a Model for Excellence in Government
- Design Intelligent Mapping Applications
- Promote Safety and Security
- Outreach to the Community with the 2010 Intermountain GIS Conference

Improve Communications
- Training to Other Departments, the Public and Users
- Provide Web Based Tools to Customers

Adhere To Long-Term Plans
- Increase the Accuracy of Land Records in Gallatin County
- Administer Relational Database Model and Promote Enterprise Integration

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WORKLOAD INDICATORS / PERFORMANCE MEASURES

Workload Indicators	Actual	Actual	Actual	Projected
Indicator	**FY 2007**	**FY 2008**	**FY 2009**	**FY 2010**
1. Addressing related	8	6	6	6
2. Administrative/Operations/Meetings	22	22	22	17
3. External Data & Maps requests	1	1	1	1
4. Fire/911 specific	4	5	5	5
5. Grant project work	-	1	1	1
6. Internal GIS projects work	26	18	12	12
7. Internal GIS request for service	13	5	8	12
8. Training	4	2	4	4
9. Web development	2	9	11	14
10. Public and non-allocated	20	26	20	18
11. Internal GIS database maintenance	N/A	6	10	10

Performance Measures	Actual	Actual	Actual	Projected
Measure	**FY 2007**	**FY 2008**	**FY 2009**	**FY 2010**
1. Timeliness & completeness of updates (100% goal)	95%	95%	95%	95%
2. Usefulness of the data or application (Low, Med., High)	High	High	High	High
3. Number of items collected or changed	20%	25%	15%	15%
4. Customer feedback (Neg. or Pos)	Positive	Positive	Positive	Positive
5. Providing useful information to public	Exceptional	Exceptional	New Tools	Enhanced
6. Efficiency of the database	N/A	Positive	Re-designed	Improved
7. Reliability of the information	N/A	Exceptional	Exceptional	Exceptional

Comments